find Cheat Sheet

Search for files in a directory hierarchy.

Command	
`find /tmp -name "foo.txt"`	Find a file a called **foo.txt** in **/tmp**
`find /tmp -iname "foo.txt"`	Find a file (case insensitive) called **foo.txt** in **/tmp**
`find /tmp -name "foo*"`	Find a file starting with the substring **foo**
`find /tmp -regex ".*f.*t"`	Find regex pattern (regex must include the full path)

Time	
`-mtime -7`	Modified within the last 7 days
`-mtime +1 -mtime -7`	Modified more than 1 day ago, but no more than 7
`-daystart`	Start from *today* rather than from 24 hours ago

Recursion		
`-maxdepth 2`		Go no more than 2 subdirectories deep during search
`-mindepth 4`		Ignore results that are less than 4 subdirectories deep
`-mount`	`-xdev`	Don't search directories contained on another filesystem

File type					
`find ~ -type d -iname "foo"`			Find a directory in **~** called **foo**		
`d`	directory	`l`	symlink	`p`	named pipe (FIFO)
`f`	file	`s`	socket	`b`	block (buffered) special
`c`	character (unbuffered) special			`D`	Door (GNU **find** on Solaris)

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Other attributes

`-uid 1000`		User ID is 1000	
`-user tux`		User name is tux	
`-writable`	`-readable`	File is writable, readable	
`-perm u=rwx`	`-perm 700`	Permissions are exactly **700**	
`-perm -u+w,g+w`	`-perm -220`	User or group has **write** permission	`-`
`-perm /a+w`	`-perm /222`	At least one permission is set to **write**	`/`
`-size +5M`		File is larger than 5 MB	
`-true`		Always true	

Actions

`-exec grep foo {} \;`		Execute **grep** on each file found	
`-ok sed 's/foo/bar/g' {} \;`		Prompt user to execute **sed** on each file found	
`-execdir chmod 700 {} \;`		Run chmod (in subdirectory of result) on each file found	
`-fprint`	Add a newline to output	`-fprint0`	Do not add a newline
`-ls`		Print results in **ls -dils** format	
`-fls output.txt`		Write results, in **ls -dils** frormat, to **output.txt**	
`-fprint`	`-fprint0`	Write output to **out.txt**	...with no newline
`-prune`		Don't descend into subdirectories	
`-quit`		Quit (usually used after other actions)	